

AP20 Rec'd PCT PTO 30 JUN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	
	)	
Alan David COUCHMAN et al.	)	Group Art Unit:
	)	
Application No.:	)	Examiner:
	)	
Filed: June 30, 2006	)	Confirmation No.:
	)	
For: PHASED ARRAY ANTENNA	)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

By:

*Scott W. Cummings*  
*Reg. No. 41,567*  
Patrick C. Keane  
Registration No. 32858

Date June 30, 2006

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Substitute for form 1449A/PTO &amp; 1449B/PTO

# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/585098
Filing Date	June 30, 2006
First Named Inventor	Alan David COUCHMAN et al.
Examiner Name	
Attorney Docket Number	1033963-000024

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,568,640	B1	Barnett	05-27-2003
	5,927,654		Foley et al.	07-27-1999
	5,641,135		Stuart et al.	06-24-1997
	5,642,122		Lockie et al.	06-24-1997
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	2002/0074458	A1	Laraway et al.	06-20-2002
	4,854,526		Rocheffort	08-08-1989
	5,052,640		Chang	10-01-1991

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	*7-223597		Japan	08-22-1995				X			
	*94/02972		WO	02-03-1994				X			
	*94/29927		WO	12-22-1994				X			

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*W.E. HARDY, "ERS-1 AMI Antennas: The Design and Development Experience", Marconi Space Systems, Portsmouth, United Kingdom, Proceedings of IGARSS '88 Symposium, Edinburgh, Scotland, 09/13-16/88, Ref. ESA SP-284 (IEEE 88CH2497-6), Published by ESA Publications Division, August 1988, pages 873-876.

### **\*Copy Attached**

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.